



WHAT IS MATHEMATICS?

Mathematics is the science of numbers, shapes, and patterns. It is particularly focused on the various operations, interrelations, combinations, measurements, and configurations of numbers. Its study is considered to be the building blocks of everyday life-affecting everything from architecture to mobile devices. There are several areas of specialization with mathematics, including algebra, geometry, trigonometry, and calculus.

INTERESTS

(THINGS YOU LIKE TO DO)

- Solving problems
- Analyzing data
- Working with numbers
- Working independently
- Using logical thinking
- Working with computers
- Teaching others



SKILLS

(THINGS YOU WILL LEARN & USE)

- Detail orientated
- Problem solving
- Math skills
- Quantitative skills
- Critical thinking
- Ability to develop methodologies
- Time management
- Abstract reasoning
- Analyze, organize, and interpret data

LAVC DEGREES & CERTIFICATES OFFERED

The Mathematics major is housed under the Mathematics Department at Los Angeles Valley College. LAVC offers the following degree:

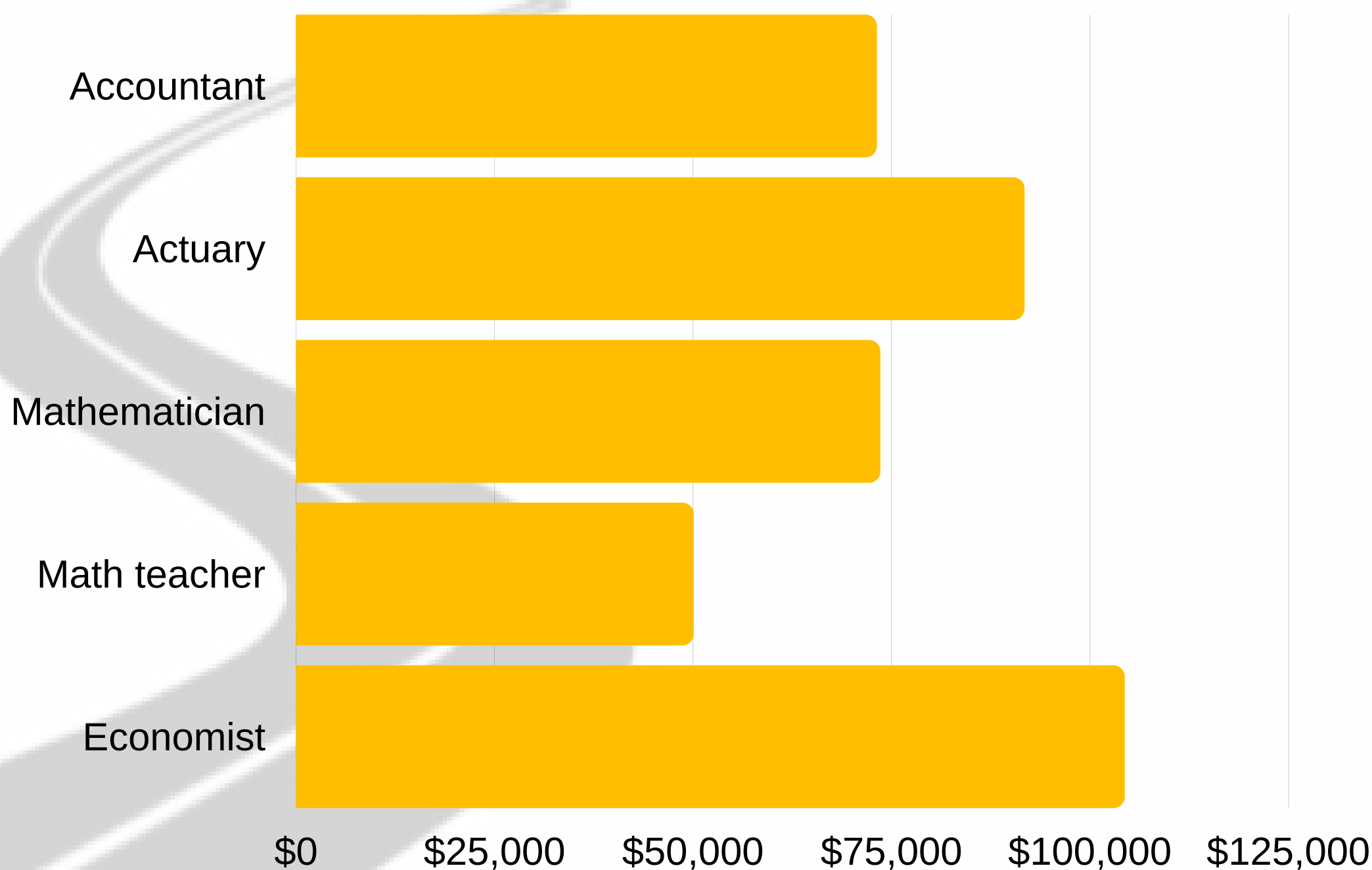
- **Associate of Science for Transfer (AS-T) in Mathematics**

TRANSFER RELATED MAJORS

- **Chico State:** Mathematics - Applied Mathematics, Statistics, General Mathematics, Mathematics Education
- **CSU East Bay:** Mathematics
- **CSU East Bay:** Liberal Studies - Foundational Mathematics
- **CSU Fullerton:** Mathematics - Applied Mathematics, Actuarial Science, Teaching Mathematics, Pure Mathematics
- **CSU Long Beach:** Mathematics - Mathematics Education, Statistics, Applied Mathematics
- **CSU Los Angeles:** Mathematics - Integrated Teaching, Traditional Teaching, Applied Mathematics
- **CSU Northridge:** Mathematics - Secondary Teaching, Applied Mathematical Sciences, Statistics
- **UC Berkeley:** Mathematics and Applied Mathematics
- **UC Los Angeles:** Mathematics, Applied Mathematics, Mathematics/Applied Science, Mathematics/Financial Actuarial Mathematics, Mathematics for Teaching
- **UC San Diego:** Mathematics & Economics
- **UC Santa Cruz:** Economics/Mathematics
- **UC Irvine:** Mathematics
- **UC Davis:** Applied Mathematics, Mathematical Analytics & Operations Research, Statistics



EARNINGS*



*Earnings can vary by occupation and experience. The following are median wages as of 2018 in California based on CaliforniaCareerZone.org

FOR MORE INFORMATION

- www.lavc.edu/transfer
- <https://www.lavc.edu/math/index.aspx>
- www.lavc.edu/transfer/majors/default.html
- www.assist.org
- www.eureka.org
- www.cacareerzone.org
- www.onetonline.org
- <http://degrees.calstate.edu/>
- https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf

RELATED OCCUPATIONS

- Accountant
- Actuary
- Statistician
- Mathematician
- Math teacher
- Math professor
- Data analyst
- Financial analyst
- Data scientist
- Economist



POTENTIAL EMPLOYERS

- Banks
- Healthcare agencies
- Technology firms
- Consulting firms
- Business services centers
- Private businesses
- Government agencies
- Corporate firms
- Colleges/universities

This general information is provided by the LAVC Career/Transfer Center. For specific information about majors and careers please make an appointment to see a counselor either online, in person at the Counseling Department (Student Services Annex) or by phone at (818) 947-2474.